

Listing of Claims/Amendments to the Claims:

The listing of claims that follows will replace all prior versions in the application.

1. (Previously Presented) An electronic compressed air system for a vehicle comprising a compressed air supply part and a compressed air consumer part, said compressed air supply part including a compressor, said compressed air consumer part including a plurality of service-brake circuits having compressed air load circuits and compressed air reservoirs, a high pressure compressed air load circuit, and electrically actuatable valves for supplying compressed air to said service-brake circuits and said high pressure compressed air load circuit, wherein said electrically actuatable valves are in an open position in a de-energized normal state, sensors for monitoring pressure in said service-brake circuits, and an electronic control unit for evaluating electrical signals from said sensors and for controlling said electrically actuatable valves, an electrically actuatable valve associated with said high pressure compressed air load circuit being switchable by said electronic control unit between a closed position in a de-energized normal state and an open position to establish communication with at least one of (i) said service-brake circuits and (ii) at least one of said compressed air reservoirs thereof and said compressed air supply part, when compressed air is demanded of said high pressure compressed air load circuit.

2. (Previously Presented) The compressed air system according to claim 1, wherein said high pressure compressed air load circuit is an air-suspension circuit.

3. (Previously Presented) The compressed air system according to claim 1, wherein said control unit is adapted to iteratively (i) close said electrically actuatable valve associated with said high pressure compressed air load circuit and turn on said compressor to refill said service-brake circuits when a state variable in said service-brake circuits drops below a

preselected value, (ii) reopen said electrically actuatable valve associated with said high pressure compressed air load circuit when an index value is reestablished in said service-brake circuits, and, thereafter, when said high pressure compressed air load circuit reaches said index value, switch said electrically actuatable valve associated with said high pressure compressed air load circuit to closed normal state and turn off said compressor.

4. (Previously Presented) The compressed air system according to claim 1, wherein said electrically actuatable valves are solenoid valves.

5. (Previously Presented) The compressed air system according to claim 1, further comprising an electronic control device adapted to control said high pressure compressed air load circuit and to communicate with said electronic control unit via a data line.

6. (Previously Presented) The compressed air system according to claim 5, wherein said data line is constructed and arranged to carry a compressed air demand transmission to said electronic control device.

7. (Previously Presented) The compressed air system according to claim 1, wherein said compressed air load circuits have at least one secondary load circuit without compressed air reservoirs.

8. (Previously Presented) The compressed air system according to claim 7, wherein said at least one secondary load circuit has a lower pressure level than in said service-brake circuits.

9. (Previously Presented) The compressed air system according to claim 7, wherein said high pressure compressed air load circuit has a pressure level that is higher than in said service-brake circuits and in said at least one secondary load circuit.

10. (Previously Presented) The compressed air system according to claim 7, wherein said secondary load circuits include solenoid valves, and further comprising a pressure-limiting valve interposed upstream from said solenoid valves of said secondary load circuits.

11. (Previously Presented) The compressed air system according to claim 1, wherein said electrically actuatable valves and said electrically actuatable valve associated with said high pressure compressed air load circuit are connected to a common compressed air distributor line, to which there is connected a compressed air supply line in communication with said compressor.

12. (Previously Presented) The compressed air system according to claim 11, further comprising an air dryer and a check valve disposed in said compressed air supply line.

13. (Previously Presented) The compressed air system according to claim 3, wherein said state variable is one of pressure, air flow rate, air mass and energy.